5. References:

1. Bailar J.C., **(1964),** Jr. *Prep. Inorg. React.*, ***1***, 1-27.
2. Kaya I., Demir H.O. and Vilayetog˘lu A. R.. **(2002),** *Journal of Synthetic Metals.* 126(1), 183**.**
3. Freiberg S., Lagugne-Labarthet F., Rochon P. and Natansohn A., **(2003)**, *Synthesis and Characterization of a Series of Azobenzene-Containing Side-Chain Liquid Crystalline Polymers*.Macromolecules. **36(8)**, 2680**.**
4. Matczyszyn K., Bartkiewicz S., and Sahraoui B.. **(2002),** *A new holographic system: liquid crystal doped with photochromic molecules***.** *Journal of Optical Materials.* **20(1)**, 57**.**
5. Davidenko, N., Ishchenko A.N. and Kuvshinskij N. G.. **(2005)** *Photonics of Molecular Semiconductor Composites on the Basis of Organic Dyes*. Kiev: Naukovadumka, 201**.**
6. Horcajada P., Serre C., Maurin G., Ramsahya N.A. and Balas F.,J. **(2008),** *Am.Chem. Soc*.**130**, 6774.
7. Coronado E., Galán-Mascarós J.R. and Gómez-García C.J., **(2004),** A Chiral Molecular Conductor: Synthesis, Structure, and Physical Properties of [ET]3[Sb2(L-tart)2].CH3CN (ET = Bis(ethylenedithio) tetrathiafulvalene; L-tart = (2R,3R)-(+)-Tartrate)*Inorg. Chem*. **43**, 8072.
8. Maji T. K., Mostafa G., Matsuda R., Kitagawa S., J. **(2005),** *Am. Chem.Soc*.**127**, 17152.
9. Lehn J.M., *Supramolecular Chemistry***(1995).***: Concepts and Perspectives*. VCH, Weinheim.
10. Rubbo S. D., Albert A., Gibson M. I. **(1950),**A study of 8-Hydroxyquinoline (Oxine) and Related Compounds *J. Exp. Pathol*., **31**, 425.
11. Philips J. P.; (1984), The Reactions Of 8-Quinolinol, *Chem. Review*, 56(2), 271.
12. Abdel, Shawkat M., A. (**2005),** *J. of Chinese Chem. Soc*., **50(5)**, 1055.
13. (a) Balasubranani K., Thomas P. muthaiah, G. Bocelli, A. Cantoni.(**2005),** *Journal of Coordination Chem.*, , **58**, 1689.(b) Rizk M., Belal F., Ibrahim F., Ahmed S., Sheribah Z.A.. (**2002),** *J. of Pharmaceutical and Biomedical Analysis*, , **27**, 813.
14. Aristov L. I., Bhamsuria A. A. *Khim. (***1968),***Getrrotsiki Soe*din, , **5**, 853.
15. Aristov L. I. (**1967),** *Khimii Organicheskikh Kompleksnykh Soedinenii, Azotsunder Zhashchie hrterotsikly*, , 263.

16. Victor D., Jayant S., Dale M.. (**1976),** *J. med. chem.*, , **19**,167.
17. Juerjen H., Hermaan R.. (**1981),** *Arch pharm.*, **314**, 731.
18. Peneloke D. (**1983),** *Eur. Pat*, 1251052.
19. Hermaan R., Hoeskens J., (**1982),** *Arch pharm.*, **315**, 131.
20. Yan Xi., Alenxiang Z., Shourang Z., Haakann (**2000),** L. *Beging shitam daxue xuebao Ziram Kexyebam,* , **36**, 221.
21. Corsini A., Lonch W. J. (**1974**), *Alata.*, **21**, 252.
22. Madonna S., Moret V., Marcowycz A.,D. (**2010),** Lamoral-Theys *European Journal of Medicinal Chem.*, , **45**, 623.
23. Ghosh B., Antonio T., Dutta A. K. (**2010),** *J. Med. Chem.*, , **53**, 2114.
24. Peng R., Wang F., Sha Y., (**2007),** *Molecules*, , **12**, 1191.
25. Wang F., Peng R., Sha Y. (**2008),** *Molecules.*, , **13**, 922.
26. Vashi R. T. and Patel S. B. (**2012),** Synthesis, Characterization And Antifungal Activity Of 2- [(8- Hydroxyquinolinyl) -5- Amino Methyl] -3- (4-Isopropyl Phenyl)-6-Bromo-3(H)-Quinazolin-4-One Ligandand Its Metal Chelates, *International Journal of Health and Pharmaceutical Sciences.*,**1**, 31.
27. Vashi R. T.,Patel S.B. and Kadiya H. K.(**2012),** Synthesis, Characterization and Antimicrobial Activity of Metal Chelates of 2-[(8-hydroxyquinolinyl)-5-aminomethyl]-3-(4-Bromophenyl)-3(H)-quinazolin-4-one *Der Pharma Chemica.*, , **4**, 1506.
28. Toshiki, H. and Mutoyama, U.J.; **(1987)**, *Jud patent*, **63**, 238060.
29. Katshutoshi L., Hideaki L. (**1998),** *Japan patent*, 1017953,.
30. Portanna T. D., Anana B. P., Rajvin Z. A. (**1975),** *Vtsakamol soedin*, **17**, 120.
31. Kenichiro, A.; Zaaea, T. and Sakurasaaea, T.; (**2001**) *seni GAKKAISKI*, **57**, 229,.
32. Xiamren C., Yushi F., Hisann L., Kazuhisa H., Kusabbura A. (**1955),** *Anal. Sci*., **11**, 313.
33. Abraham W.; Rani K. and Abrahaks, P.; (**1976**), U.S.Patent, 4317887.
34. Taka H.; Kazuhisa H. and Kasaburo O.; (**1974**), Lithium Isotope Fractionation during Transport through Liquid Membrane with Oligomethylene-bridged Bisphenanthroline Derivatives, *Chemical letter*, **3**, 615.
35. David W.R. (**1983),** *German afften*, 573332,.
36. Syonitono (**1984),** chemical Co.ltd.*Japan patent.*, 59155406,.

37. Manolova M.; Janatova M. and Rushkav J.; (**1998**) Preparation and metal ion complexing ability of polyethers with 8-hydroxy-5-quinolinyl end-groups *Eur.Poly* J., **34**, 1133-1123.
38. Patel B.P.;(**2000**),Co-ordination Polymers of 5,5′-[1,4-N,N'-Dimethylene Piperazinylene] -8-Quinolinol (DMPQ), *Int. J. Polym. Mater*. **46** ,1-9.
39. Patel R.D.; Patel H.S. and Patel S.R.; (**1987**), Co-ordination polymers of bis (8-hydroxy-5-quinolylmethylene) sulphide (BHQS), *Eur. Polym*. J.,**23**, 229.
40. Patel H.S.; Raj L.M.; Shah T.B. and Raj M.M.; (**1999**), Co-ordination polymers of 7,7′-[1,4-N,N′-dimethylene piperazinylene]-8-quinolinol (DMPQ), *Eur.polym. J.*, **35**, 1537-41.
41. Patel H.S.; Dixit R.B. and Shah T.B.;(2001),Co-ordination Polymers of 1,6-bis(8-hydroxyquinolin-5-yl)-2,5-dioxa-3-methyl hexane, *Int. J. Polym. Material*., **49**, 271-281.
42. Feng L., Wang X., Zhao S. (**2007),** *Chen Spectrochem. Act.*, , **68**, 646.
43. Moret V., Y Laras., Cresteil T., Aubert G., Ping D. Q., Di C., Requin M., Beclin B., C. (**2009),** *Europn. J. of Med. Chem.*, , **44**, 558.
44. Barkhater J. H., Teib R. I.. (**1968),** *J Org Chem*., **26**, 4078.
45. Portanna T.D., Anana B.P., Rajvin Z.A, (**1975),** *Viscakamol Soedin*., Part B, , **17**, 120.
46. Den J. (**1979),** *Appl Poly Sci*., , 2414425.
47. Patel D. K., Singh A. (**2009**), Synthesis, Characterization and Antimicrobial Activity of Metal Chelates of 5-[4-Chloro phenyl(1, 3, 4)thiadiazol-2-ylamino methylene]-8-hydroxy quinoline, *E - J Chem*., , **6(4)**, 1017.
48. Patel H. S., Oza K. K. (**2009),** Synthesis, Characterization and microbial Activity of Metal Chelates of)-Benzotriazole methylene]-8-quinolinol, *E - J Chem*., **6(2)**, 371.
49. (a) Panchani S.C., Kharadi G.J., Patel K.D., (**2010**), Coordination polymeric chain assemblies of some metal ions with BHQPP, *International Journal of Polymeric Materials*,, **59**, 60-72. (b) Patel K. D., Panchani S. C.(**2004),** *E-Journal of Chem*., **1**, 158.
50. Patel K. D., Panchani, S. C. Kharadi G.J.,(**2010**), Studies on some coordination polymeric chains of metal ions with QM1N, *International Journal of Polymeric Materials*, **59**,577-587.

51. Patel A. D., Patel R. S., Patel G. R. (**2010)** Coordination Polymers of N, N' -di-(8-Hydroxyquinolinolyl - 5-methyl)-N, N-diethyl-1, 3-propane diamine (QEPD), *E-Journal of Chem*., , **7(3)**, 1023-1028.
52. Horowitza E., Perrosa T.P. (**2003),** *Journal of Inorganic and Nuclear Chem*., , **26(1)**,139.
53. Lad M. J., Patel H. S., Patel S. R. (**1986),** *European Polymer Journal*, , 22(3), 207.
54. Patel A D., Prajapati N. K., Patel S P., Patel G R. (**2011),** Coordination Polymers of N,N'-Di-(8-hydroxyquinolinolyl-5-methyl)-N,N'-dimethyl-1,3-propanediamine (QMPD) *Der Chemica Sinica*, **2(2)**,130-135.
55. Balini, A., Bueno, G.J., Stewart, M.L., Yardley, V., Brun, R., Barrett,P.M. **(2005),** *J. Med. Chem.***, 48**, 5570-5579.
56. Kuo G.H., DeAngelis A., Emanuel S., Wang A., Zhang Y., Connolly, **(2005),** *J. Med. Chem.*, **48**, 4535–4546.
57. Hedayatullah M; Lion C.; Slimane A. B.; Nachawati, I. **(1896).***Heterocycles*, **51**.
58. Vogel A. I., (**1989),** Textbook of Practical Organic Chemistry, *5th edn, Longman: London,*.
59. Patel H.S.; Patel V.K. (**2003),** *Indian J. Hetrocycl Chem*., **12**, 253.
60. Murrey P.R.; Baran E.J.; Pfuller M.A.; Tenovov F.C.; Yolken R.H. **(1995),** An Antimicrobial Agent and Susceptibility Testing; Americal Soc.Microbiology: Washington, DC, , p. 1327.